

Results of Analyses
Wastewater Spill Monitoring –
Beachwalk SPS Spill (Shoreline Stations)
May 11, 2006

Samples collected Wednesday, May 10, 2006 (48th day):
Spill reported on March 24, 2006.
NPDES Permit No. HI 0020117.

<u>Station</u>	<u>Collection Time</u>	<u>Bacterial Counts / 100 mL</u>			<u>Salinity</u>
		<u>Fecal Coliform^{iv}</u>	<u>Enterococci^v</u>	<u>C. perfringens^{vi}</u>	
Magic Island Finger	7:08 A.M.	41	38	4	32.2
Ala Moana Canoe Launch Ramp	7:16 A.M.	54	48	58	36.5
Magic Island Lagoon	7:11 A.M.	< 1	< 1	2	34.5
Ala Wai Harbor Boat Launch Ramp	7:21 A.M.	Est. 290	Est. 240	13	26.4
Hilton Lagoon	7:27 A.M.	3	< 1	< 1	33.8
Hale Koa Hotel	7:37 A.M.	13	3	< 1	34.2
Halekulani-Sheraton	7:47 A.M.	49	5	1	34.1
Moana Hotel	7:55 A.M.	< 1	< 1	< 1	34.2
Kapahulu Groin	8:02 A.M.	34	16	1	33.7
Queen's Surf Beach	8:06 A.M.	< 1	1	< 1	34.5
Natatorium	8:12 A.M.	< 1	< 1	< 1	34.3

Weather: Partly cloudy.

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		<u>Fecal Coliform</u> ⁴	<u>Enterococci</u> ⁵	<u>C. perfringens</u> ⁶	
Date St.Bridge- Upstream	8:50 A.M.	1,000	1,900	64	0.4
Seaside Ave.- Upstream	8:25 A.M.	Est. 450	220	13	22.7
Kaiolu St.-Spill site	8:28 A.M.	1,200	680	4	12.6
McCully St. Bridge.	8:36 A.M.	540	470	29	15.3
Ala Moana Blvd. Bridge	8:41 A.M.	510	370	36	21.3

Weather: Sunny.

⁴ APHA, AWWA, WEF, Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992, Membrane Filter Method for Fecal Coliform.

⁵ Improved Enumeration Methods for the Recreational Water Quality Indicators: Enterococci and *Escherichia coli*, EPA/821/R-97/004, March 2000, Membrane Filter Method 1600 for Enterococci.

⁶ Bisson, J.W., Cabelli, V.J., "Membrane Filter Enumeration Method for *Clostridium perfringens*," Applied and Environmental Microbiology, Jan 1978; Armon, R., Payment, P., "A Modified mCP Medium for Enumerating *C. perfringens* from Water Samples," Canadian Journal of Microbiology, 1988.